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PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 2013P002

First Inventor or Application Identifier Hyoyoung Lee

Title BISPHENYLENE-SPIROBIFLUORENE COMPOUNDS, METHOD FOR

Express Mail Label No. EL651893343US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

1. Fee Transmittal Form (e.g. PTO/SB/17)
(Submit an original, and a duplicate for fee processing)

2. Applicant claims small entity status.
See 37 CFR 1.27.

3. Specification Total Pages 24
(preferred arrangement set forth below)
- Descriptive title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. Drawing(s) (35 U.S.C.113) Total Sheets 9

5. Oath or Declaration Total Pages

a. Newly executed (original or copy)
b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)

i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6. Application Data Sheet. See 37 CFR 1.76.

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
a. Computer Readable Form (CFR)
b. Specification Sequence Listing on:
i. CD-ROM or CD-R (2 copies); or
ii. Paper
c. Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))

10. 37 CFR 3.73(b) Statement Power of Attorney (when there is an assignee)

11. English Translation Document (if applicable)

12. Information Disclosure Statement (IDS)/PTO - 1449 Copies of IDS Citations

13. Preliminary Amendment

14. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)

15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)

16. Nonpublication Request under 35 USC 122(b)(2)(B)(i).

17. Other: request for priority; transmittal of formal drawings;

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

Continuation Divisional Continuation-in-part (CIP) of prior application No: /

Prior application Information: Examiner _____ Group/Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

Customer Number of Bar Code Label



or Correspondence address below

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Signature

Date 11/30/01

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL

for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)**410.00**

| | |
|--------------------------|----------------------|
| <i>Complete if Known</i> | |
| Application Number | |
| Filing Date | |
| First Named Inventor | Hyoyoung Lee, et al. |
| Examiner Name | |
| Group Art Unit | |
| Attorney Docket Number | 2013P002 |

| METHOD OF PAYMENT (check one) | | | | FEE CALCULATION (continued) | | | |
|--|---------------|-----------|---|---|--------------|----------|---|
| 1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: | | | | 3. ADDITIONAL FEE | | | |
| Deposit Account Number | 02-2666 | | | Large Entity | Small Entity | | |
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee | Description | Fee Paid | |
| 105 | 130 | 205 | 65 | Surcharge - late filing fee or oath | | | |
| 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet. | | | |
| 139 | 130 | 139 | 130 | Non-English specification | | | |
| 147 | 2,520 | 147 | 2,520 | For filing a request for <i>ex parte</i> reexamination | | | |
| 112 | 920 | 112 | 920 | Requesting publication of SIR prior to Examiner action | | | |
| 113 | 1,840 | 113 | 1,840 | Requesting publication of SIR after Examiner action | | | |
| 115 | 110 | 215 | 55 | Extension for response within first month | | | |
| 116 | 400 | 216 | 200 | Extension for response within second month | | | |
| 117 | 920 | 217 | 460 | Extension for response within third month | | | |
| 118 | 1,440 | 218 | 720 | Extension for response within fourth month | | | |
| 128 | 1,960 | 228 | 980 | Extension for response within fifth month | | | |
| 119 | 320 | 219 | 160 | Notice of Appeal | | | |
| 120 | 320 | 220 | 160 | Filing a brief in support of an appeal | | | |
| 121 | 280 | 221 | 140 | Request for oral hearing | | | |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | | | |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidably | | | |
| 141 | 1,280 | 241 | 640 | Petition to revive - unintentionally | | | |
| 142 | 1,280 | 242 | 640 | Utility issue fee (or reissue) | | | |
| 143 | 460 | 243 | 230 | Design issue fee | | | |
| 144 | 620 | 244 | 310 | Plant issue fee | | | |
| Total Claims | 10 | -20** = 0 | X \$9.00 = 0.00 | 130 | 122 | 130 | Petitions to the Commissioner |
| Independent Claims | 3 | -3** = 0 | X \$42.00 = 0.00 | 123 | 50 | 123 | 50 Petitions related to provisional applications |
| Multiple Dependent | | | | 126 | 180 | 126 | 180 Submission of Information Disclosure Stmt |
| Large Entity | Small Entity | | | 581 | 40 | 581 | 40 Recording each patent assignment per property (times number of properties) |
| Fee Code (\$) | Fee Code (\$) | | | 146 | 740 | 246 | 370 Filing a submission after final rejection (37 CFR 1.129(a)) |
| 103 | 18 | 203 | 9 Claims in excess of 20 | 149 | 740 | 249 | 370 For each additional invention to be examined (37 CFR 1.129(b)) |
| 102 | 84 | 202 | 42 Independent claims in excess of 3 | 179 | 740 | 279 | 370 Request for Continued Examination (RCE) |
| 104 | 280 | 204 | 140 Multiple Dependent claim | 169 | 900 | 169 | 900 Request for expedited examination of a design application |
| 109 | 84 | 209 | 42 **Reissue independent claims over original patent | Other fee (specify) | | | |
| 110 | 18 | 210 | 9 **Reissue claims in excess of 20 and over original patent | | | | |
| SUBTOTAL (2) (\$ 0.00) | | | | SUBTOTAL (3) (\$ 40.00) | | | |
| *or number of previously paid, if greater; For Reissues, see above | | | | * Reduced by Basic Filing Fee Paid | | | |

"or number of previously paid, if greater. For Reissues, see above

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 40.00

| | | | | |
|-----------------------|---|--------------------------|----------|-------------------------|
| SUBMITTED BY | | Complete (if applicable) | | |
| Typed or Printed Name | Eric S. Hyman, Reg. No. 30,139 | | | Reg. Number |
| Signature |  | Date | 11/30/01 | Deposit Account User ID |
| | | | | 02-2666 |

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

HYO-YOUNG LEE, ET AL.

Application No.:

Filed:

For: **BISPHENYLENE-SPIROBIFLUORENE
COMPOUNDS, METHOD FOR SYNTHESIZING
THE SAME, AND ELECTROLUMINESCENCE
MATERIAL AND DEVICE HAVING THE SAME**

Art Group:

Examiner:

Assistant Commissioner for Patents
Washington, D.C. 20231

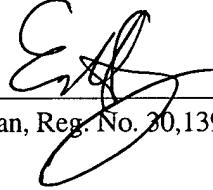
TRANSMITTAL OF FORMAL DRAWINGS

Sir:

Enclosed herewith for filing in the above-identified U.S. Patent Application are the formal drawings, 9 sheets including 10 Figures. Applicant hereby authorizes any additional extension or petition fees under 37 C.F.R. §1.17 or credit for any overpayment to our Deposit Account No. 02-2666. A copy of the Fee Transmittal sheet is enclosed.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN



Eric S. Hyman, Reg. No. 30,139

Dated: 1/13/10

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